8   determining a minimum voltage which allows operation at the maximum

9   frequency determined, and

10   dynamically changing the operating condition of the processor by

11   changing the frequency generated by the clock generator and the voltage

12   to the maximum frequency and minimum voltage determined.

1   Claim 6 (amended).   A method for controlling the power used by a

2   computer comprising the steps of:

3   utilizing control software to measure the operating characteristics of a

4   central processor of the computer,

5   determining when the operating characteristics of the central processor

6   are significantly different than required by the operations being

7   conducted, and

8   changing the operating characteristics of the central processor to a level

9   commensurate with the operations being conducted in which:

10   the step of determining when the operating characteristics of the central

11   processor are significantly different than required by the operations being

12   conducted comprising utilizing the control software to determine

13   desirable voltages and frequencies for the operation of the central

14   processor based on the measured operating characteristics, and

15   the step of changing the operating characteristics of the central

16   processor to a level commensurate with the operations being conducted

17   comprises providing signals:

18   for controlling voltages furnished by a programmable power supply

19   to the central processor, and

20 for controlling frequencies furnished by the central processor to the

21 central processor.